

IN THE CLAIMS:

Kindly cancel Claims 8, 39, and 46, without prejudice.

Kindly amend Claims 1, 14, 17, 26, 29, 44, 48, and 50 as follows:

A1
C1
sub B1 cont
1. (Amended) An image pickup apparatus having a lens group, comprising:
a ring member for driving a lens;
detection means for detecting a change amount of a rotation of said ring member;
control means for performing motion/stop control of at least [a] the lens group along an optical axis in accordance with a detection result by said detection means;
and
motion direction setting means for [allowing] a user to set [as] a desired [the] motion direction of the lens group relative to the rotation direction of said ring member,
wherein said motion direction setting means comprises a (i) character generator, (ii) menu setting means, (iii) display means, (iii) a menu function control unit for controlling said character generator in accordance with the

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operation state of said menu setting means operated by the user, and for displaying a predetermined menu on a display screen of the display means, and (iv) setting means for selecting a desired setting item among a plurality of items displayed on the predetermined menu and setting a condition regarding the motion direction of the lens group.

A2

sub B3

14. (Amended) An image pickup apparatus [wherein] having (i) a camera part, and (ii) a lens part with a magnification lens and a ring member that drives the lens part, comprising:

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detection means which detects a change amount of a rotation of [a] the ring member for driving [a] the lens part; [and]

control means provided with a plurality of characteristics for determining a correlation between an output of said detection means and a motion of [a] the magnification lens, and for controlling [controls] motion/stop of at least the magnification lens along an optical axis in accordance with an output of said detection means; and

Concl. B3
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storing means, provided in said camera part, for
storing information of the correlation transmitted from the
lens part.

sub
B4

A3

17. (Amended) An image pickup apparatus [wherein]
having (i) a camera part, and (ii) a lens part with a
magnification lens and a ring member that drives the lens
part, comprising:

detection means which detects a change amount of a
rotation the [a] ring member for driving [a] the lens part;
[and]

control means providing a plurality of
characteristics each settable by a user for determining a
correlation between an output of said detection means and a
motion of [a] the magnification lens, and for controlling
[controls] motion/stop of at least the magnification lens
along an optical axis in accordance with an output of said
detection means; and

storing means, provided in said camera part, for
storing information of the correlation transmitted from the
lens part.

sub 65
A4 26. (Amended) An image pickup apparatus having (i) an image pickup apparatus main body and (ii) a lens unit which has a magnification lens and a ring member disposed concentrically about a lens optical axis, comprising:

detection means for detecting a change amount of a rotation of [a] the ring member disposed concentrically about [a] the lens optical axis; [and]

CA control means provided with a plurality of characteristics for determining a correlation between an output of said detection means and a motion of [a] the magnification lens, said control means for controlling motion/stop of at least the magnification lens along the optical axis in accordance with an output of said detection means; and

[wherein said control means controls motion/stop of at least the magnification lens along the optical axis in accordance with an output of said detection means]

outputting means for outputting information of the correlation from said lens unit to storing means in said main body.

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Sub B6
29. (Amended) An image pickup apparatus having (i)
a camera body, and (ii) a lens unit which has a magnification
lens and a ring member disposed concentrically about a lens
optical axis, comprising:

detection means for detecting a change amount of a
rotation of [a] the ring member disposed concentrically about
[a] the lens optical axis;

CB
control means provided with a plurality of
characteristics for determining a correlation between an
output of said detection means and a motion of [a] the
magnification lens; [and]

setting means for a user to set the characteristic
of said control means[,]; and

outputting means for outputting information of the
correlation from said lens unit to said camera body,

wherein a motion/stop of at least the magnification
lens is controlled along the optical axis in accordance with
an output of said detection means.

A6
Sub B6
44. (Amended) An image pickup apparatus having a
lens unit with a magnification group, comprising:

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B8comp
C18
a ring member disposed concentrically about a lens optical axis of [a] the lens unit;

detection means for detecting a change amount of a rotation of said ring member;

control means for determining motion direction and speed of [a] the magnification lens group in accordance with an output of said detection means, and for performing motion/stop control of the magnification lens group along the optical axis; and

change means for changing a response characteristic of the motion of the magnification lens group relative to a detection result of said detection means between a motion start time state and a motion state of the magnification lens group,

wherein said change means changes a reference value of a change amount of rotation of said ring member for permitting/inhibiting the motion of the magnification lens group.

A7
sub B9
C19
48. (Amended) An image pickup apparatus having a magnification lens group, comprising: